Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/01/2019 10:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124180	-1	1.13	124253	1.13
Blue	F	SSC	125000	123699	-2	1.53	124547	1.56
Blue	E	FITC	16122	15664	-3	2.63	342	19.51
Blue	D	PE	29316	28685	-3	1.79	625	14.26
Blue	B	PerCP-Cy5-5	42590	41648	-3	3.41	1123	19.82
Blue	A	PE-Cy7	33146	32769	-2	5.83	626	40.53
Red	C	APC	45473	44684	-2	2.42	1578	12.01
Red	A	APC-Cy7	31961	30598	-5	2.35	809	11.70
Violet	B	V450	7914	7404	-7	4.73	413	13.74
Violet	A	V500	29769	28356	-5	4.65	659	10.88

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21284	2.94	606	6	N/A	N/A	Pass
Blue	F	SSC	56294	1.06	549	11	N/A	N/A	Pass
Blue	E	FITC	63	63.54	538	1	0.0218	180	Pass
Blue	D	PE	130	49.42	540	3	0.1862	319	Pass
Blue	B	PerCP-Cy5-5	205	48.70	641	3	0.0095	54	Pass
Blue	A	PE-Cy7	118	95.71	695	4	0.0108	3	Pass
Red	C	APC	376	25.18	583	4	0.0251	168	Pass
Red	A	APC-Cy7	179	28.29	558	2	0.0059	1108	Pass
Violet	B	V450	63	61.19	462	2	0.0460	1906	Pass
Violet	A	V500	99	35.94	475	3	0.0233	1158	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.41	-32.33	1.01
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.50
Red	16.79	13.60 - 20.40	N/A	N/A	30.03	30.25	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9534

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments